IN THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the above-referenced application:

- 1. (Currently Amended) A metal-oxide-semiconductor (MOS) device, comprising:
 - a semiconductor layer of a first conductivity type;
- a first source/drain region of a second conductivity type formed in the semiconductor layer;
- a second source/drain region of the second conductivity type formed in the semiconductor layer and spaced apart from the first source/drain region;
- a gate formed proximate an upper surface of the semiconductor layer and at least partially between the first and second source/drain regions; and
- a shielding structure formed proximate the upper surface of the semiconductor layer and between the gate and the second source/drain region, the shielding structure being electrically connected to the first source/drain region by way of a connection comprising a substantially vertical conductor formed in a region of the device overlying an active area of the device between the gate and the second source/drain region, the shielding structure being spaced laterally from the gate and being non-overlapping relative to the gate.
- 2. (Original) The device of claim 1, wherein the shielding structure is connected to the first source/drain region by a conductive trace, the conductive trace being spaced substantially from the gate by an insulating layer formed between the gate and the conductive trace.
- 3. (Original) The device of claim 2, wherein the conductive trace is formed using a metalization process.
- 4. (Original) The device of claim 2, wherein the conductive trace is formed using at least a second level metalization process.

- 5. (Original) The device of claim 2, wherein the insulating layer comprises an oxide.
- 6. (Original) The device of claim 1, wherein the first source/drain region is a source of the device and the second source/drain region is a drain of the device.
- 7. (Original) The device of claim 1, wherein the device comprises a diffused MOS (DMOS) device.
- 8. (Original) The device of claim 1, wherein the device comprises a laterally diffused MOS (LDMOS) device.
- 9. (Original) The device of claim 1, wherein the device comprises a vertical diffused MOS device.
- 10. (Original) The device of claim 1, wherein the shielding structure is formed relative to the gate such that a capacitance between the gate and the second source/drain region is minimized without substantially increasing a capacitance between the gate and the first source/drain region.
- 11. (Original) The device of claim 1, wherein the shielding structure comprises at least one conductive plug.
- 12. (Original) The device of claim 1, further comprising a conductive layer formed on an upper surface of the gate such that the conductive layer substantially covers the upper surface of the gate, whereby a resistance of the gate is reduced.
- 13. (Original) The device of claim 1, further comprising an insulting layer formed on at least a portion of an upper surface of the device, the shielding structure comprising a conductive plug formed at least partially through the insulating layer.

- 14. (Currently Amended) An integrated circuit including at least one metal-oxide-semiconductor (MOS) device, the at least one MOS device comprising:
 - a semiconductor layer of a first conductivity type;
- a first source/drain region of a second conductivity type formed in the semiconductor layer;
- a second source/drain region of the second conductivity type formed in the semiconductor layer and spaced apart from the first source/drain region;
- a gate formed proximate an upper surface of the semiconductor layer and at least partially between the first and second source/drain regions; and
- a shielding structure formed proximate the upper surface of the semiconductor layer and between the gate and the second source/drain region, the shielding structure being electrically connected to the first source/drain region by way of a connection comprising a substantially vertical conductor formed in a region of the device overlying an active area of the device between the gate and the second source/drain region, the shielding structure being spaced laterally from the gate and being non-overlapping relative to the gate.
- 15. (Original) The integrated circuit of claim 14, wherein the shielding structure in the at least one MOS device is connected to the first source/drain region by a conductive trace, the conductive trace being spaced substantially from the gate by an insulating layer formed between the gate and the conductive trace.
- 16. (Original) The integrated circuit of claim 14, wherein the at least one MOS device comprises a laterally diffused MOS (LDMOS) device.
- 17. (Original) The integrated circuit of claim 14, wherein the shielding structure in the at least one MOS device is formed relative to the gate such that a capacitance between the gate and the second source/drain region is minimized without substantially increasing a capacitance between the gate and the first source/drain region.

18. (Original) The integrated circuit of claim 14, wherein the at least one MOS device further comprises a conductive layer formed on an upper surface of the gate such that the conductive layer substantially covers the upper surface of the gate, whereby a resistance of the gate is reduced.